

Figure 1

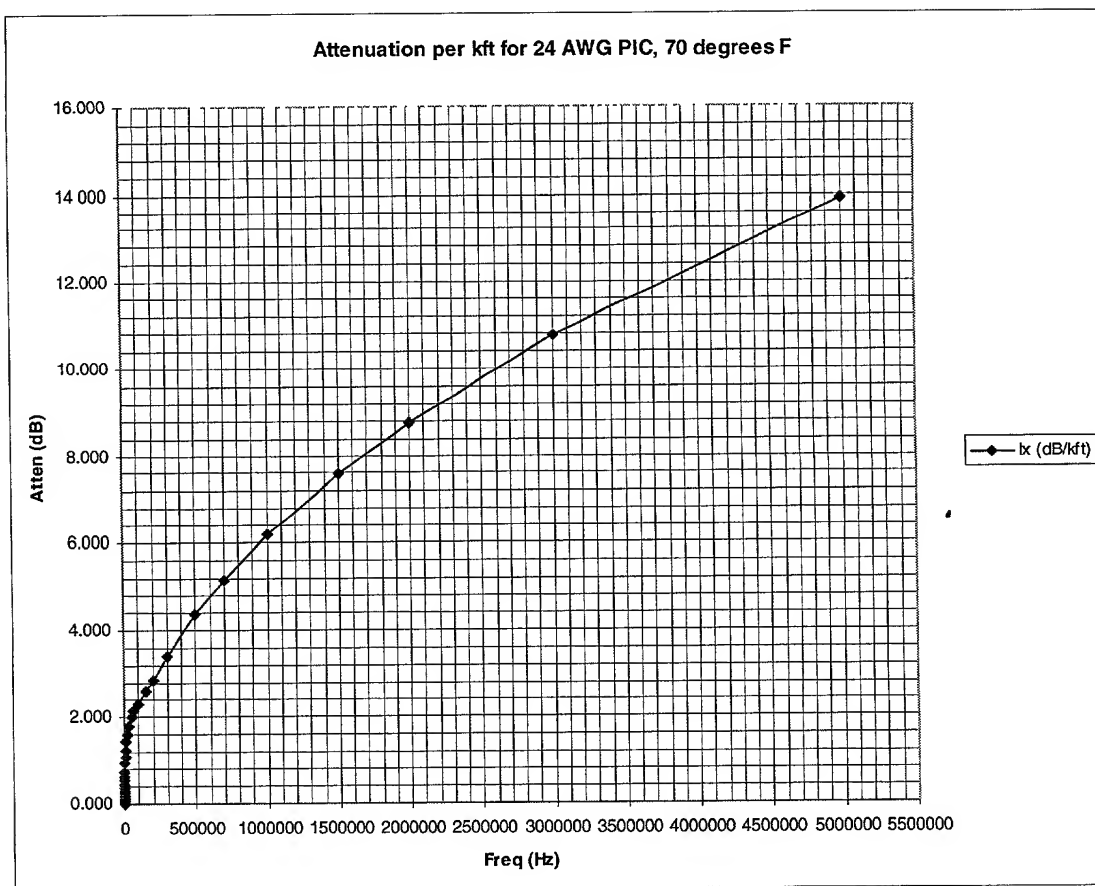


Figure 2: Loop Loss per kft, as a function of frequency

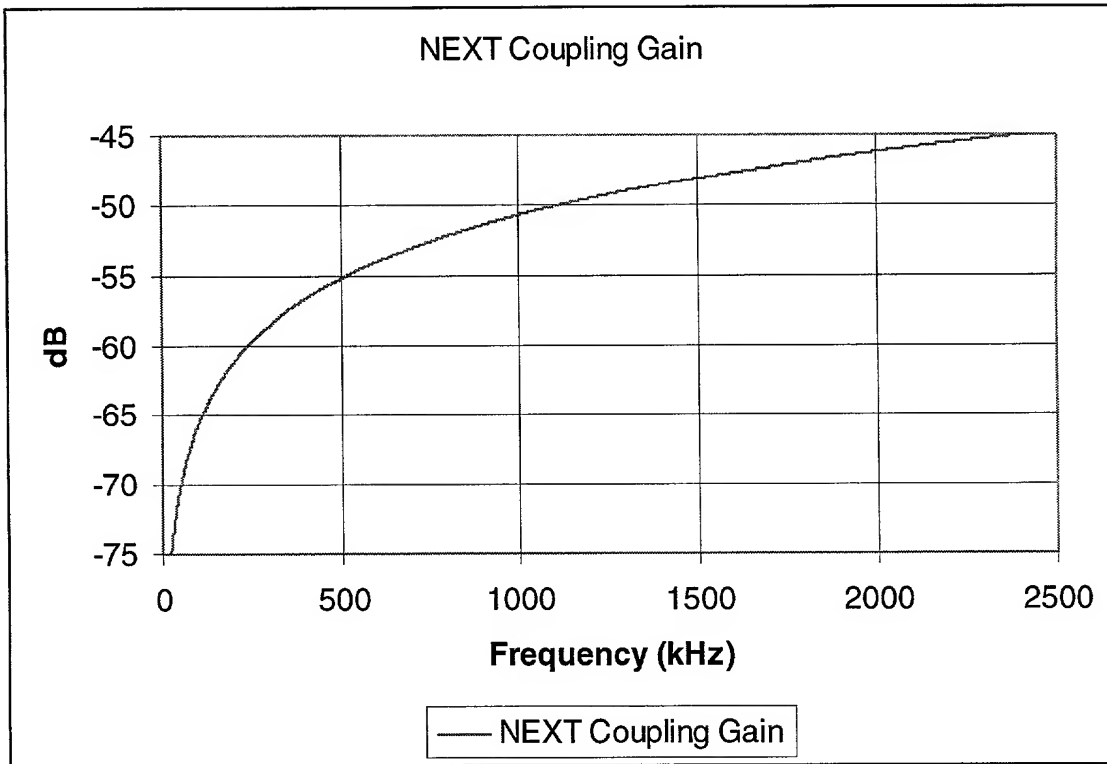


Figure 3 Near End Crosstalk (NEXT) Coupling Gain

Frequency Band Plans w/20kHz Lower corner

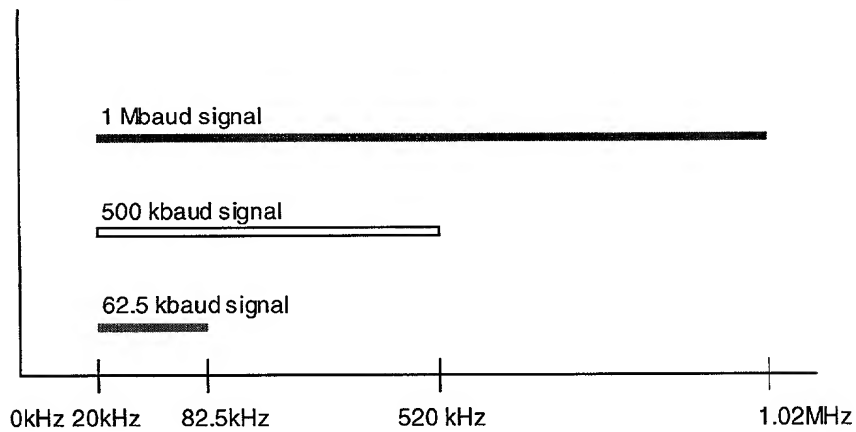


Figure 4 – Example Bandplans with 20kHz lower corner frequency

Frequency Band Plans w/200kHz Lower corner

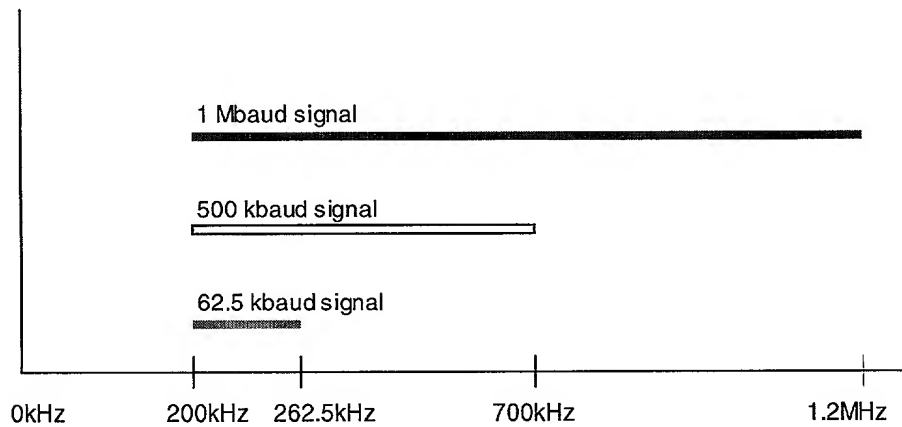


Figure 5 – Example Band Plans with 200kHz lower corner frequency

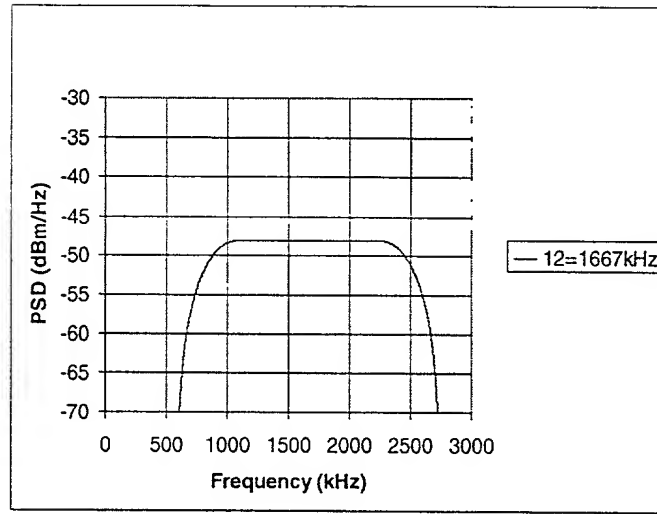


Figure 6

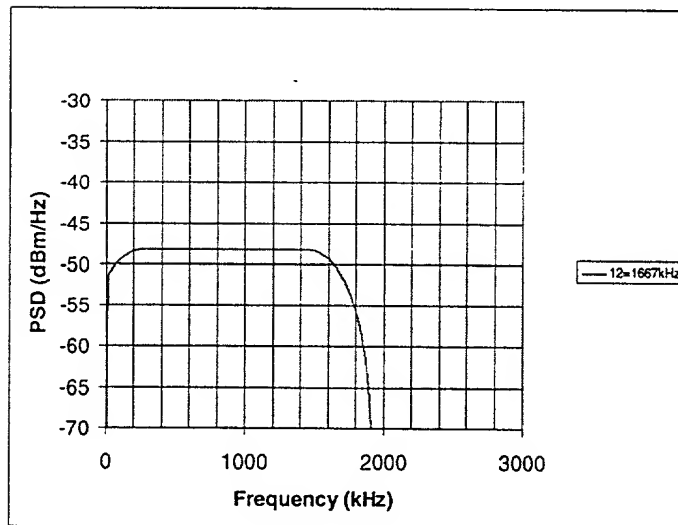


Figure 7

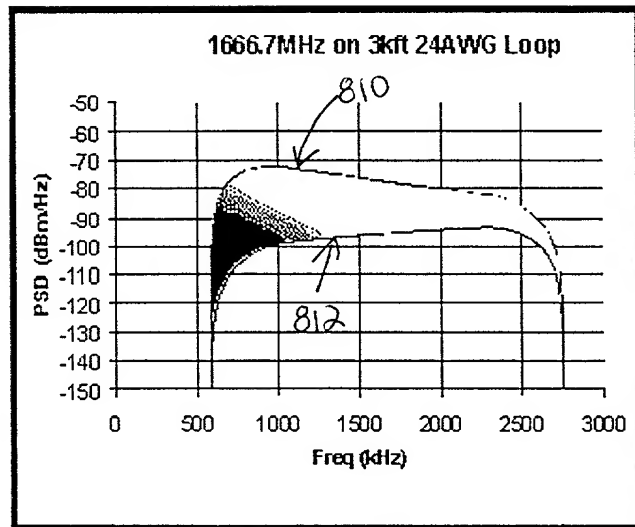


Figure 8

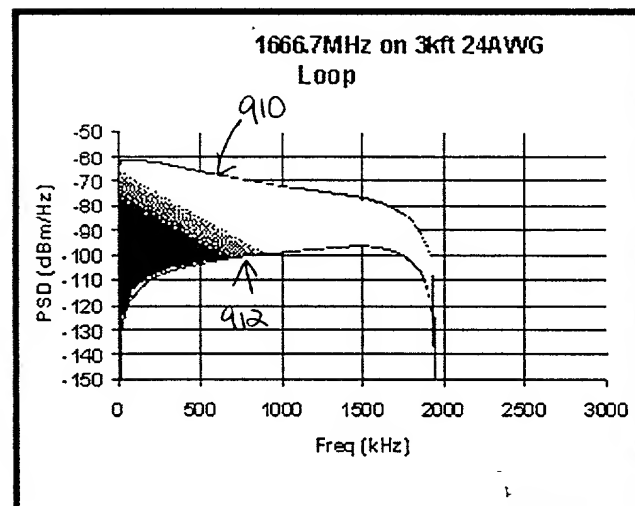


Figure 9

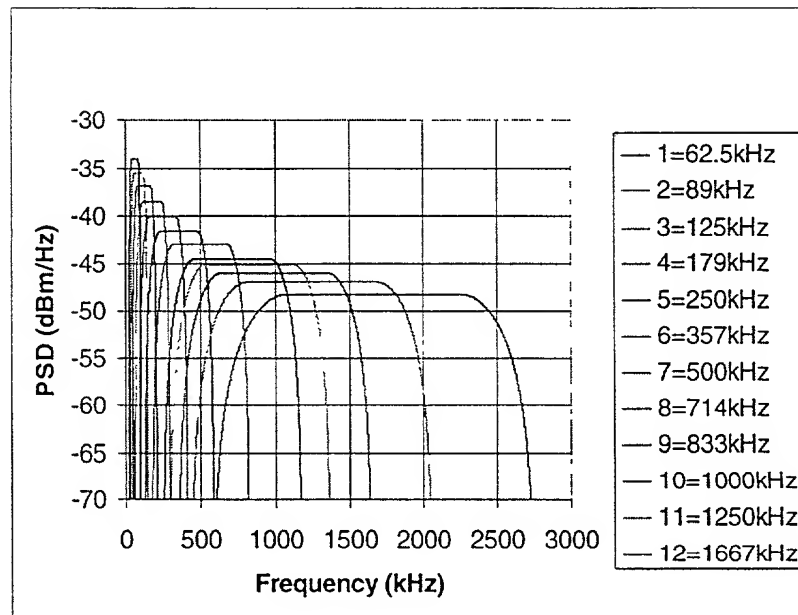


Figure 10

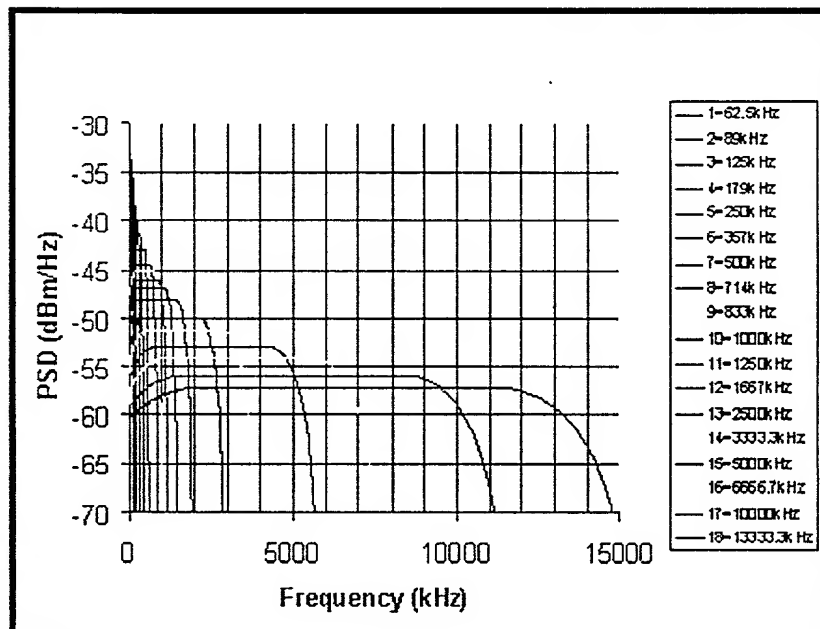


Figure 11

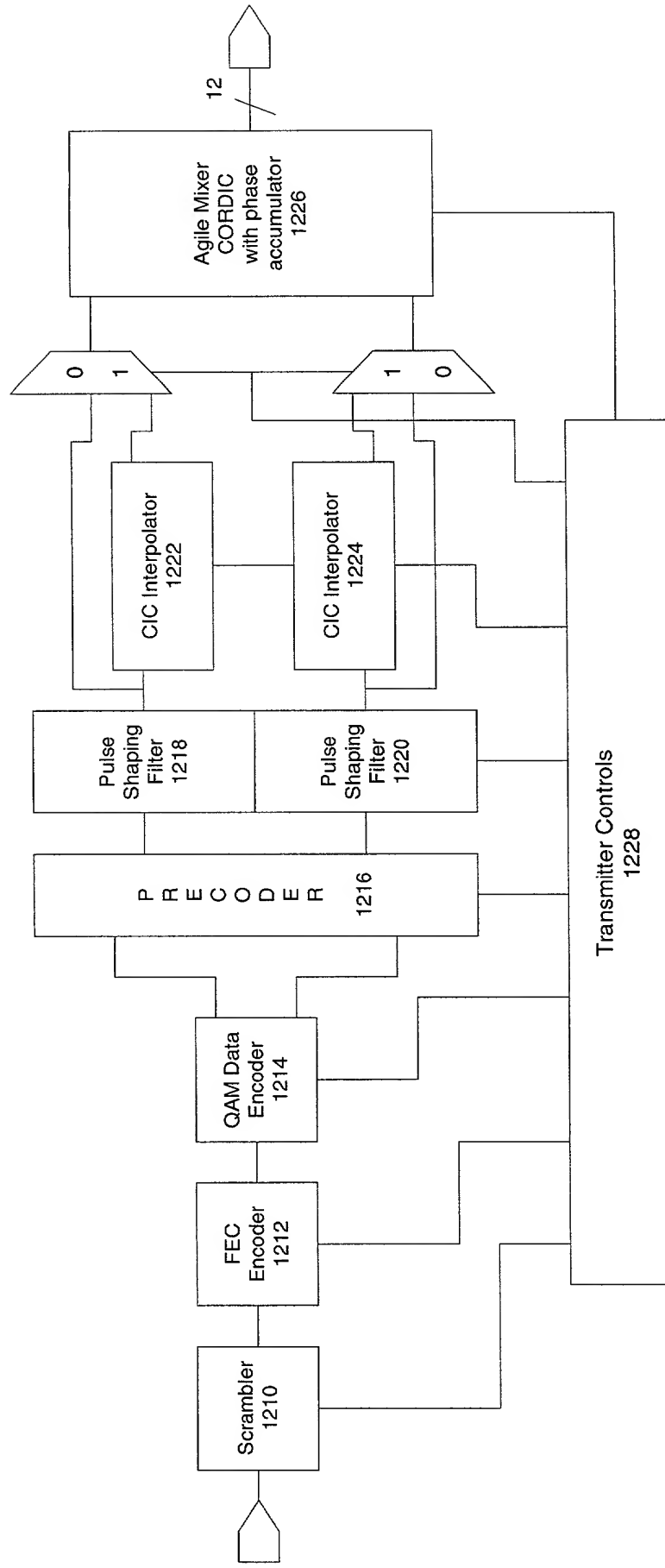


Figure 12



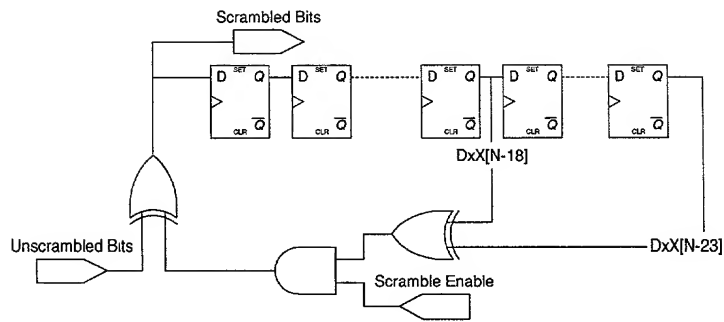


Figure 13

$D7_k$	$D6_k$	$I_{k-1}$	$Q_{k-1}$	$I_k$	$Q_k$
0	0	0	0	0	0
0	0	0	1	0	1
0	0	1	0	1	0
0	0	1	1	1	1
0	1	0	0	1	0
0	1	0	1	0	0
0	1	1	0	1	1
0	1	1	1	0	1
1	0	0	0	0	1
1	0	0	1	1	1
1	0	1	0	0	0
1	0	1	1	1	0
1	1	0	0	1	1
1	1	0	1	1	0
1	1	1	0	0	1
1	1	1	1	0	0

Figure 14

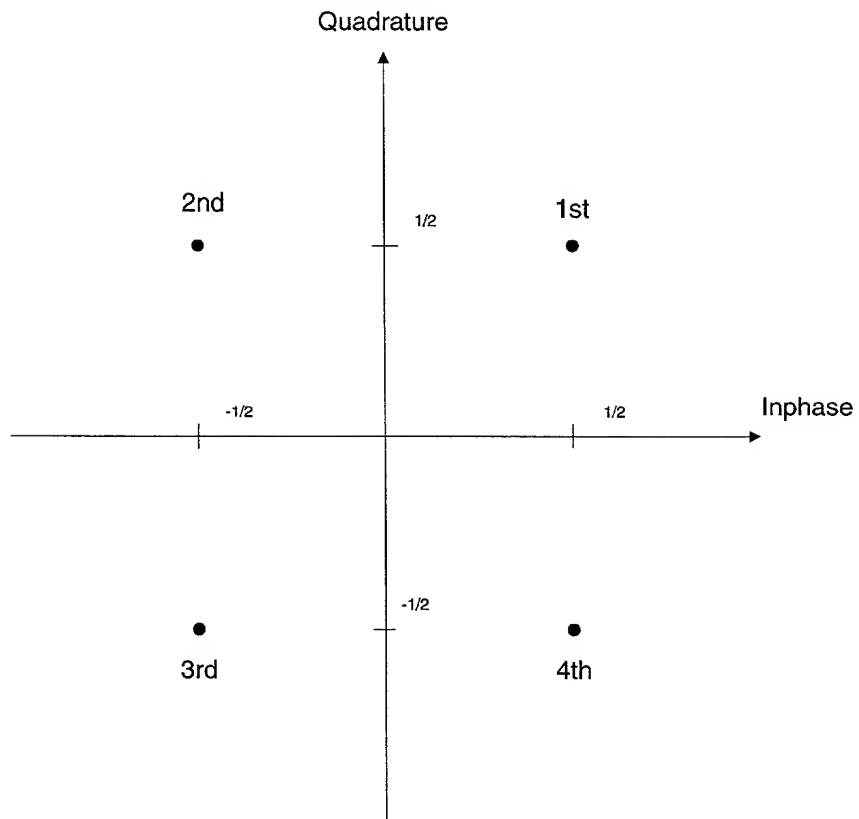


Figure 15

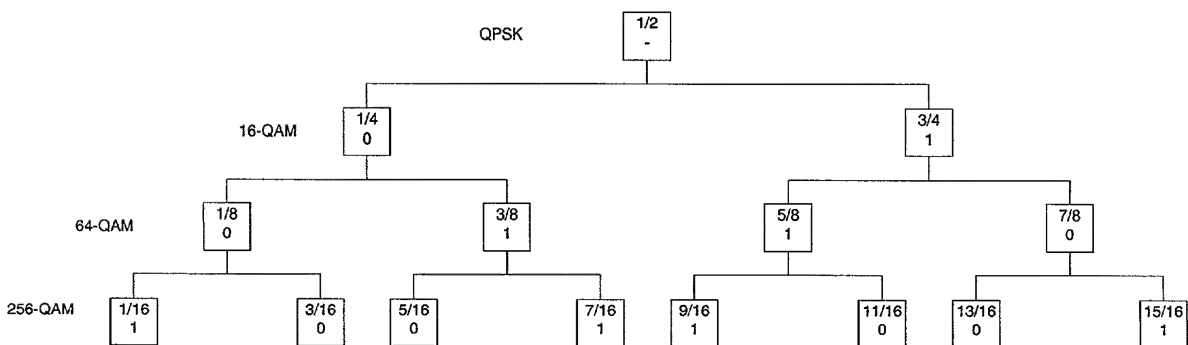


Figure 16

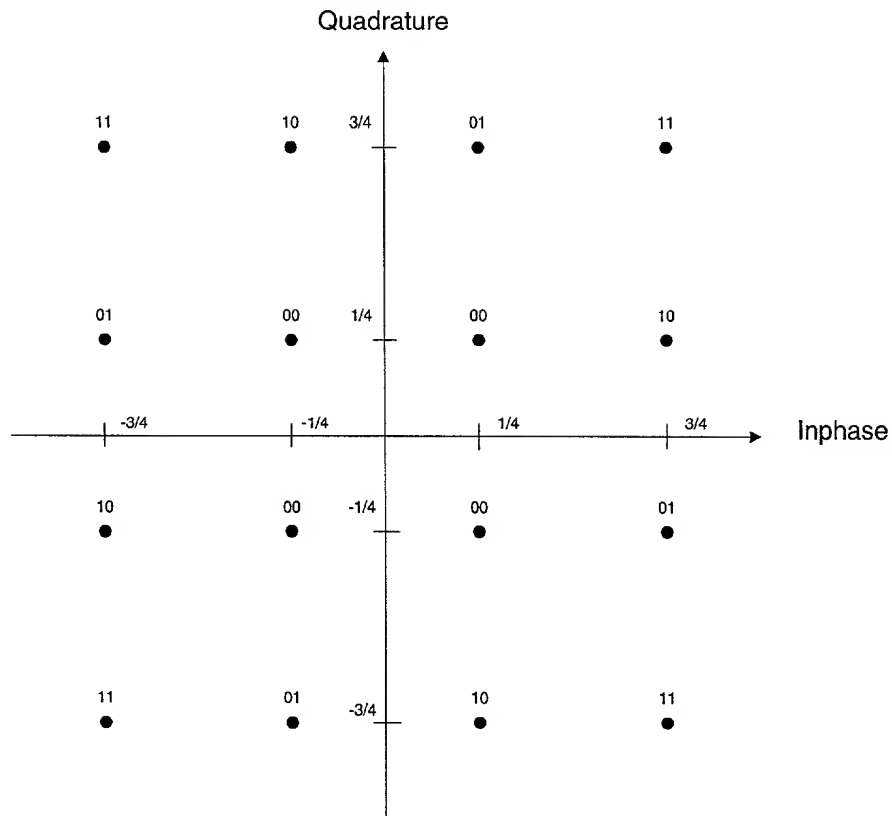


Figure 17



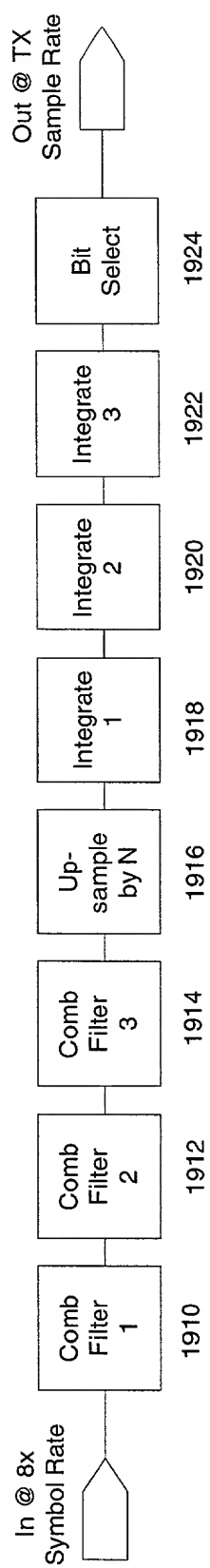


Figure 19

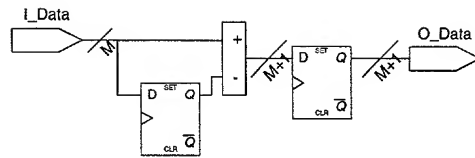


Figure 20

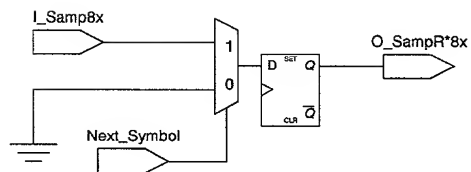


Figure 21

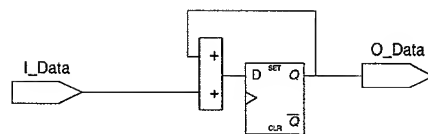


Figure 22

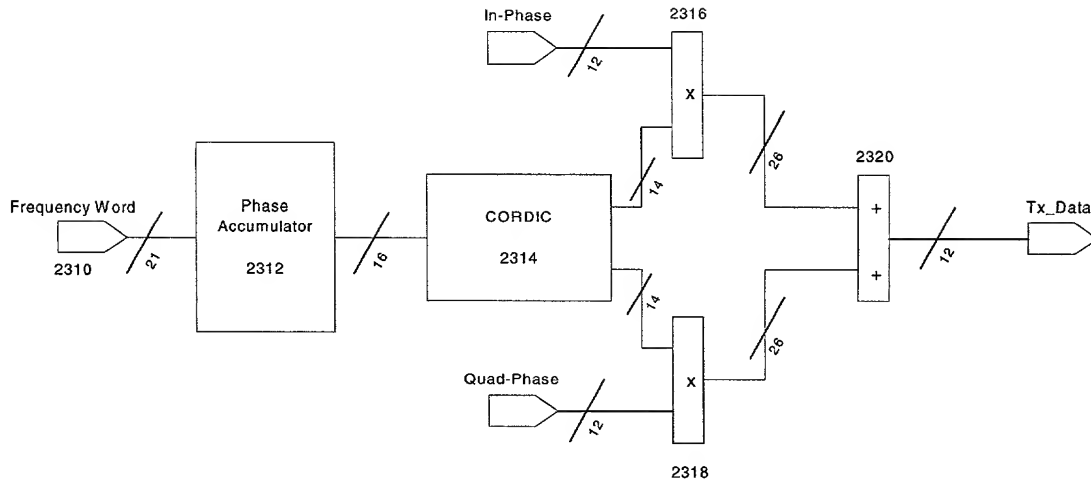


Figure 23

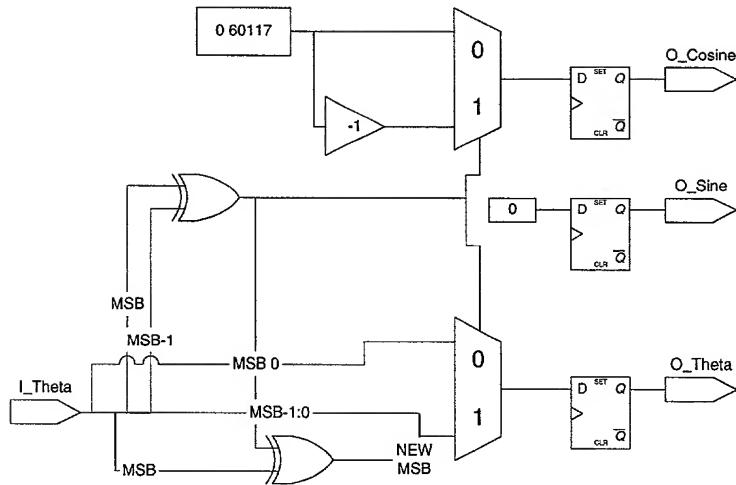


Figure 24

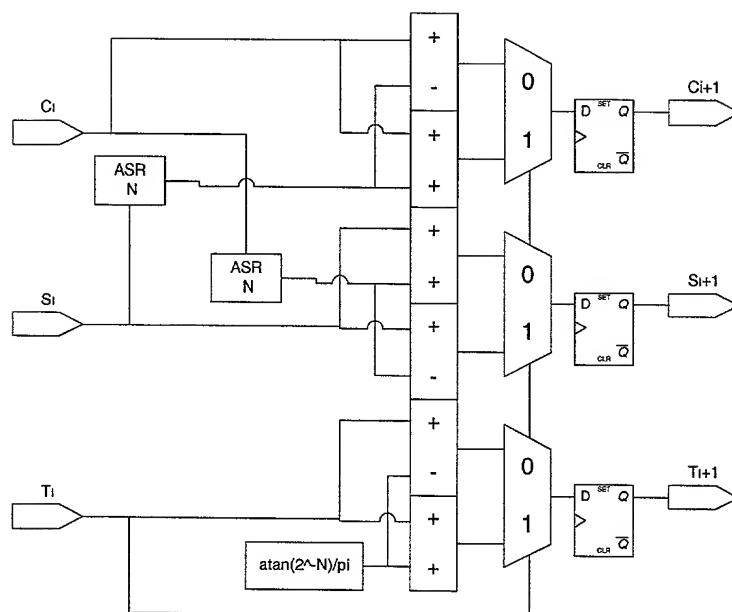


Figure 25



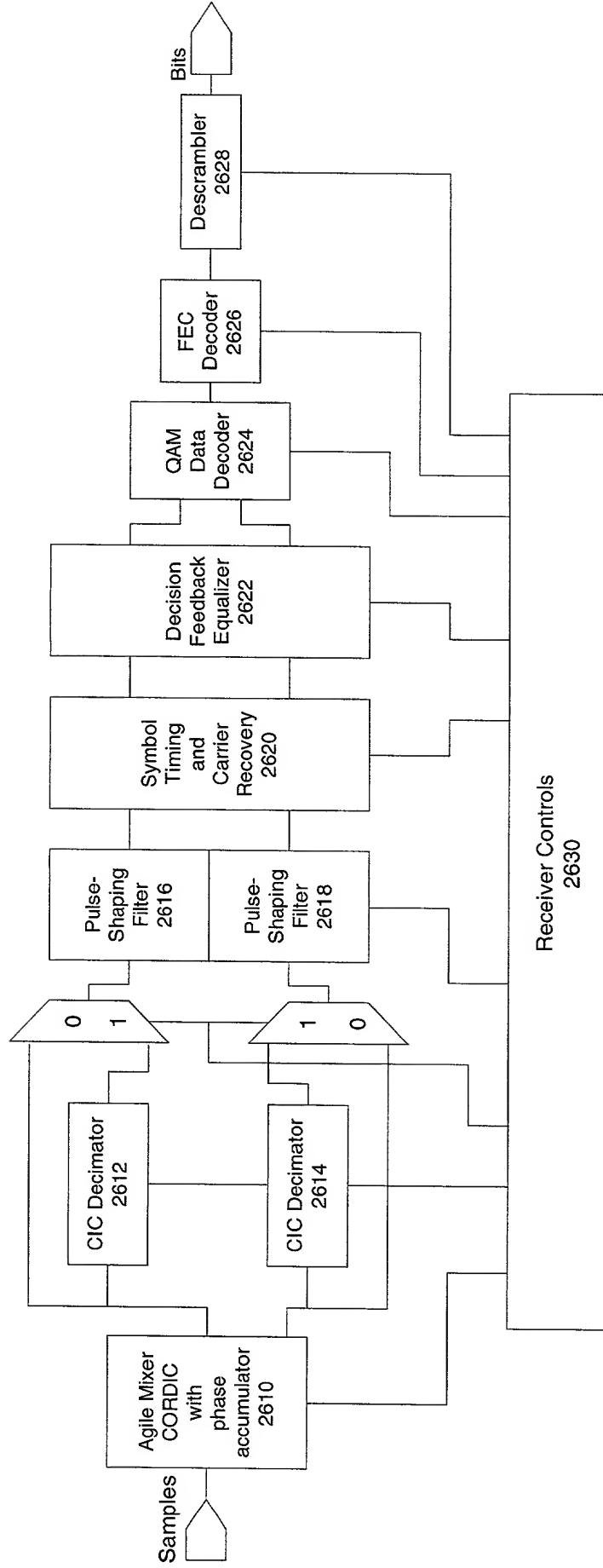


Figure 26

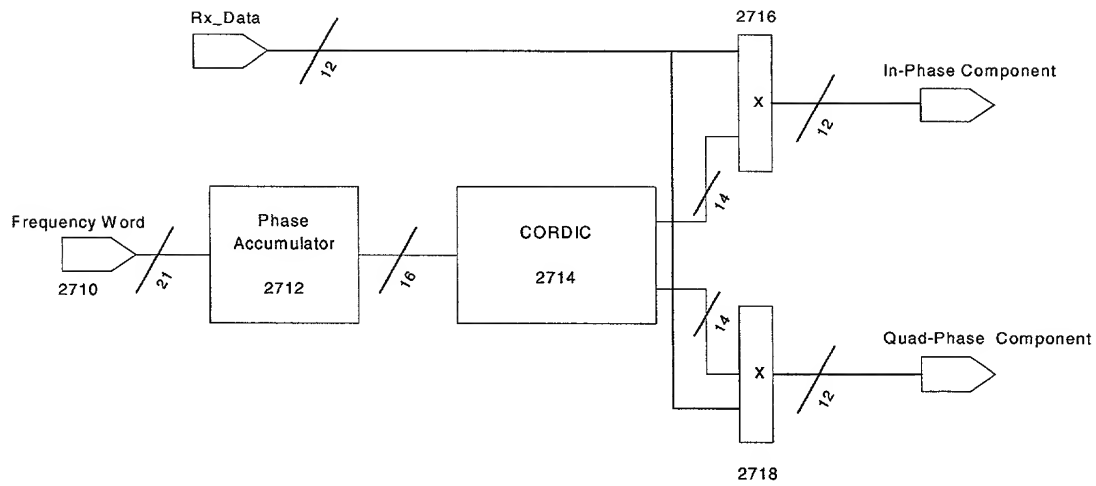


Figure 27

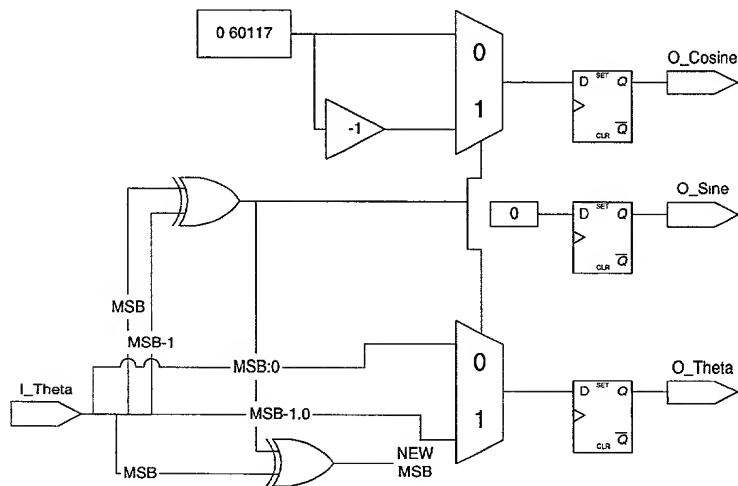


Figure 28

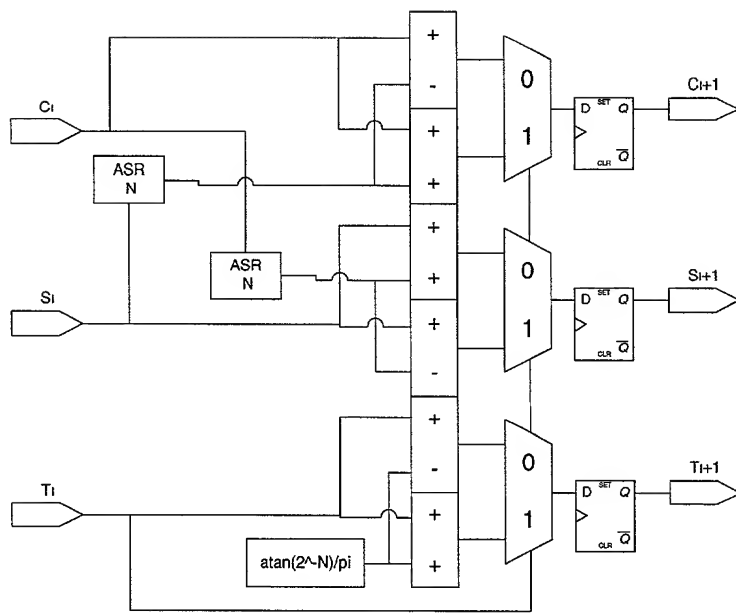


Figure 29

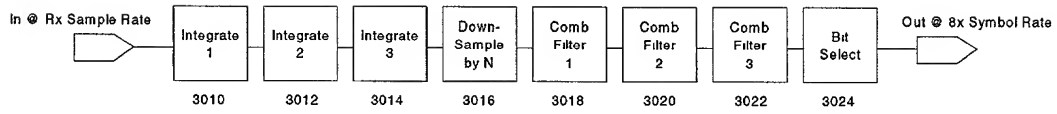


Figure 30

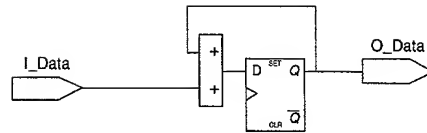


Figure 31

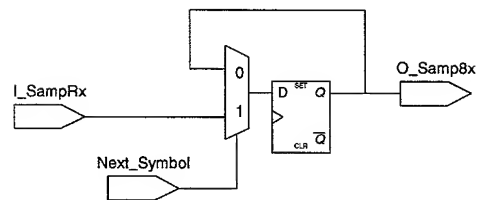


Figure 32

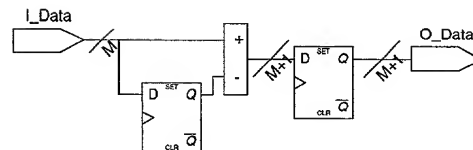


Figure 33



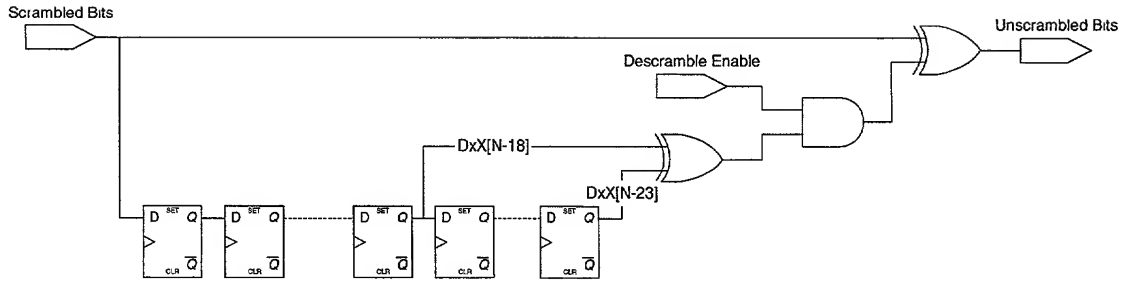


Figure 35

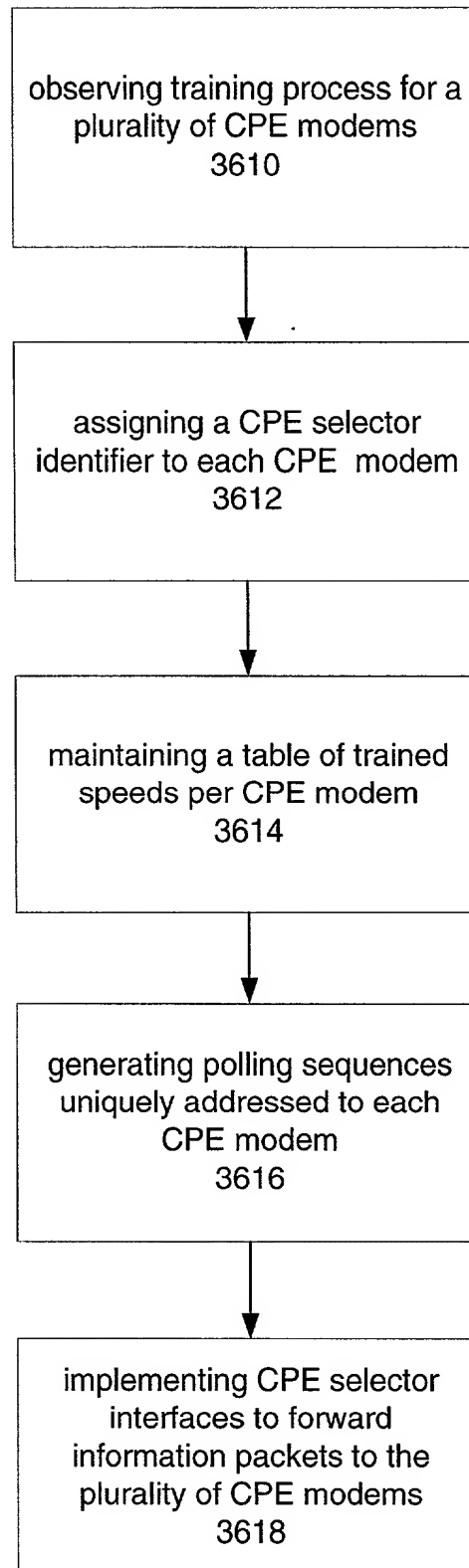


Figure 36

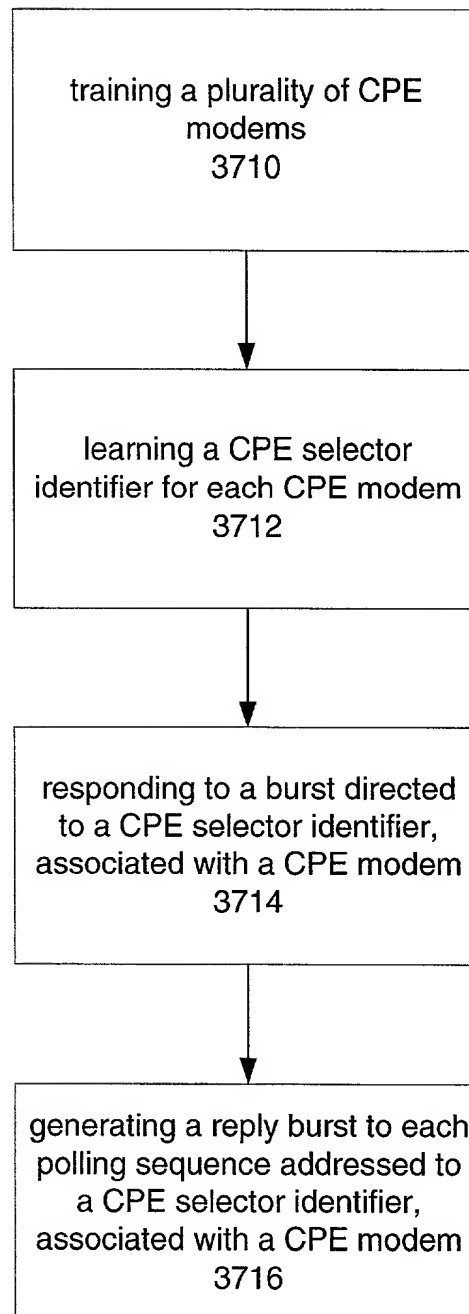


Figure 37



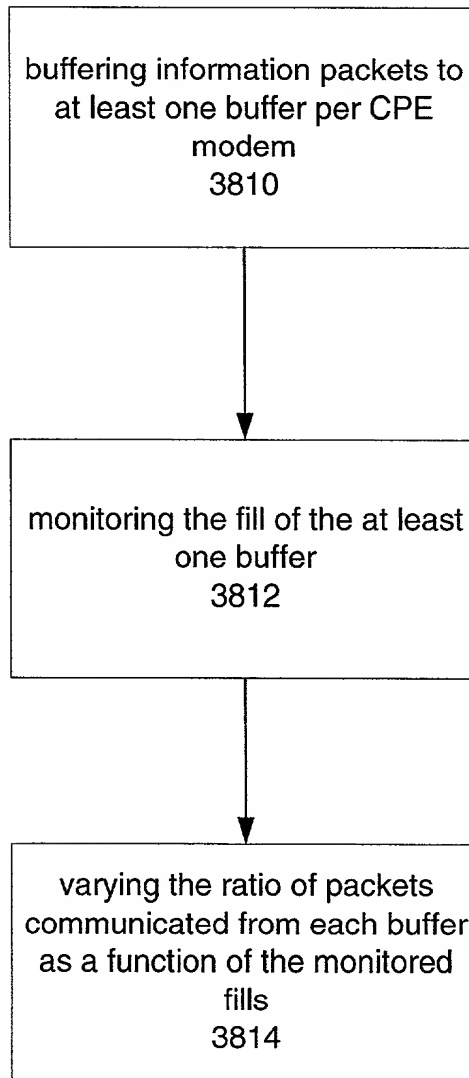


Figure 38